PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference EX04-072C-PC		FOR FURTHER ACTION	see Notifica (Form PCT below.	ation of Transmittal of International Search Report (ISA/220) as well as, where applicable, item 5				
International application No. PCT/US04/39549		International filing date (day/month/year) 23 November 2004 (23.11.2004)		(Earliest) Priority Date (day/month/year) 24 November 2003 (24.11.2003)				
Applicant EXELIXIS, INC.								
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of 4 sheets. It is also accompanied by a copy of each prior art document cited in this report. 1. Basis of the Report a. With regard to the language, the international search was carried out on the basis of the international application in the								
Ь.	the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)). With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international earch was carried out on the basis of the sequence listing:							
	contained in the international application in written form. filed together with the international application in computer readable form. furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readable form.							
	the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.							
2.	Unity of invention is lack regard to the title, the text is approved as sub	-	vs:					
5. With regard to the abstract, the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may within one month from the date of mailing of this international search report, submit comments to this Authority.								
6. The f	as suggested by the applicate because the applicant faile		No	None of the figures				

Form PCT/ISA/210 (first sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/39549

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: 1. Claim Nos:	Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)				
because they relate to subject matter not required to be searched by this Authority, namely: Claim Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically. Claim Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a). Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet) This International Searching Authority found multiple inventions in this international application, as follows:	This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically: 3.					
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a). Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet) This International Searching Authority found multiple inventions in this international application, as follows: Please See Continuation Sheet 1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. 2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. 3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.: 4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-19 Remark on Protest The additional search fees were accompanied by the applicant's protest.	because they relate to parts of the international application that do not comply with the prescribed requirements to such				
This International Searching Authority found multiple inventions in this international application, as follows: Please See Continuation Sheet 1.					
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. 2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. 3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.: 4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-19 Remark on Protest The additional search fees were accompanied by the applicant's protest.	Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)				
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, and the state of	restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-19 Remark on Protest The additional search fees were accompanied by the applicant's protest.				

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/39549

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C12N 33/53 US CL : 435/7.1							
According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED							
Minimum documentation searched (classification system followed by classification symbols) U.S.: 435/7.1							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) USPGPUB, USPAT, EPO, DERWENT, MEDLINE, CAPLUS, SCISEARCH							
	UMENTS CONSIDERED TO BE RELEVANT						
Category *	Citation of document, with indication, where ap	ppropriate, of the relevant passages	Relevant to claim No.				
x	US 2003/0108937 A (WILLIAMSON et al) 31 Octob		1-4 and 6-19				
х	0009,0011,0016,0052,0057-0080,0096,0303,0304,0083 US 2002/ 0015943 A1 (BEINZ et al) 27 July 2001 filing date. Paragraphs 1-4.7.8.11.16-19 0015,0039,0104,0048,0067,0013,0072,0041,0005, 0072,0002-0005,0055						
Y	HUDZIAK, R. et al Resistance of Morpholino Phos Enzymatic Degradation. Antisense Nucleic Acid Dro 267-272, see entire document.	1,8,10					
Y	ANGELES et al. Enzyme-linked Immunosorben As Analytical Biochemistry. 1996, Vol. 236, pages 49-2	•	1-5				
Further	documents are listed in the continuation of Box C.	See patent family annex.					
* S	pecial categories of cited documents:	"T" later document published after the inter					
"A" document particular	defining the general state of the art which is not considered to be of relevance	and not in conflict with the application principle or theory underlying the inven	tion				
"E" earlier application or patent published on or after the international filing date		"X" document of particular relevance; the cl considered novel or cannot be considered when the document is taken alone	aimed invention cannot be ed to involve an inventive step				
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious					
"O" document	referring to an oral disclosure, use, exhibition or other means	to a person skilled in the art					
"P" document published prior to the international filing date but later than the "&" document member of the same patent family priority date claimed							
Date of the actual completion of the international search Date of mailing of the international search report Date of mailing of the international search report							
21 November 2005 (21.11.2005) Name and mailing address of the ISA/US Mail Stop PCT, Atta: ISA/US Authorized office: Author							
Mail	Stop PCT, Attn: ISA/US	Morttee Tauke	INCL Y				
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Alexandria, Virginia 22313-1450 Telephone No. (571) 272-1600							
Facsimile No. (571) 273-3201							

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BOX II. OBSERVATIONS WHERE UNITY OF INVENTION IS LA	CKING
The inventions listed as Groups I- III do not relate to a single general inventive con	
13.2, they lack the same or corresponding special technical features for the follows	
1-19, drawn to a method of identifying a candidate beta catening modulating agent	
20-22, drawn to a method of modulating pathway activity	
23-25, drawn to a method for diagnosing a disease	
The first claimed invention (claims 1-19) is drawn to a method of identifying a car	ndidate beta catenin modulating agent. The first
invention fails to share a technical feature with the other claimed inventions: claim	ns 20-22, drawn to a method of modulating beta catenin
pathway with an agent that binds PLK, and claims 23-25, drawn to a method for d	
Methods II and III do not share method steps with Invention I, and PLK polypeption	des or nucleic acids are not required as for Invention I.
Therefore, unity of invention is lacking.	

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